

Index to Volume 33 (2002), Nos 1–6, pages 1–594

Articles

- A comparison between analysis time and inter-analyst reliability using spectral analysis of kinematic data and posture classification *Yen, T.Y. and Radwin, R.G.* 85
- A comparison of the effects of floor mats and shoe in-soles on standing fatigue *King, P.M.* 477
- A field comparison of neck and shoulder postures in symptomatic and asymptomatic office workers *Szeto, G.P.Y., Straker, L. and Raine, S.* 75
- A hand-ergonomics training kit: development and evaluation of a package to support improved awareness and critical thinking *Garmer, K., Sperling, L. and Forsberg, A.* 39
- A method for analytically generating three-dimensional isocomfort workspace based on perceived discomfort *Kee, D.* 51
- A method for evaluation of manual work using synchronised video recordings and physiological measurements *Forsman, M., Hansson, G.-A., Medbo, L., Asterland, P. and Engström, T.* 533
- A methodology for evaluating the usability of audiovisual consumer electronic products *Kwahk, J. and Han, S.H.* 419
- A test of two training interventions to prevent work-related musculoskeletal disorders of the upper extremity *Faucett, J., Garry, M., Nadler, D. and Ettare, D.* 337
- A triaxial accelerometer for measuring arm movements *Bernmark, E. and Wiktorin, C.* 541
- An analysis of the forces required to drag sheep over various surfaces *Harvey, J.T., Culvenor, J., Payne, W., Cowley, S., Lawrence, M., Stuart, D. and Williams, R.* 523
- An investigation of ergonomic interventions in dental hygiene work *Smith, C.A., Sommerich, C.M., Mirka, G.A. and George, M.C.* 175
- Analysis of interaction quality in human-machine systems: applications for forklifts *Solman, K.N.* 155
- Anthropometric survey of Indian farm workers to approach ergonomics in agricultural machinery design *Victor, V.M., Nath, S. and Verma, A.* 579
- Characterizing free-living light exposure using a wrist-worn light monitor *Heil, D.P. and Mathis, S.R.* 357
- Computer–telephone interactive tasks: predictors of musculoskeletal disorders according to work analysis and workers' perception *Ferreira, M. Jr. and Saldiva, P.H.N.* 147
- Development and application of a human error identification tool for air traffic control *Shorrock, S.T. and Kirwan, B.* 319
- Development of grain threshers based on ergonomic design criteria *Kumar, A., Mohan, D., Patel, R. and Varghese, M.* 503
- Effect of the number of two-wheeled containers at a gathering point on the energetic workload and work efficiency in refuse collecting *Kuijjer, P.P.F.M., van der Beek, A.J., van Dieën, J.H., Visser, B. and Frings-Dresen, M.H.W.* 571
- Embedded human computer interaction *Baher, C. and Baumann, K.* 273
- Ergonomic software tools in product and workplace design: a review of recent developments in human modelling and other design aids *Kurt Landau (Ed.) Smith, S.* 379
- Ergonomics evaluation and redesign of a hospital meal cart *Das, B., Wimpee, J. and Das, B.* 309
- Ergonomics study on the handle length and lift angle for the culinary spatula *Wu, S.-P. and Hsieh, C.-S.* 493
- Estimating energy expenditure in wildland fire fighters using a physical activity monitor *Heil, D.P.* 405
- Evaluation of a visual layering methodology for colour coding control room displays *Van Laar, D. and Deshe, O.* 371
- Evaluation of ergonomic adjustments of catering carts to reduce external pushing forces *Jansen, J.P., Hoozemans, M.J.M., van der Beek, A.J. and Frings-Dresen, M.H.W.* 117
- Experimental study on fist-ellipse for Chinese auto drivers *Tian, X., Jin, C., Tian, Y. and Tian, Q.* 101
- Focus groups to support the industrial/product designer: a review based on current literature and designers' feedback *Bruseberg, A. and McDonagh-Philp, D.* 27
- Food and drink packaging: who is complaining and who should be complaining *Winder, B., Ridgway, K., Nelson, A. and Baldwin, J.* 433
- Head posture and loading of the cervical spine *Bonney, R.A. and Corlett, E.N.* 415
- Health and safety implications of virtual reality: a review of empirical evidence *Nichols, S. and Patel, H.* 251
- Improving ecological performance of electrical consumer products: the role of design-based measures and user variables *Sauer, J., Wiese, B.S. and Rüttinger, B.* 297
- Increase in spinal stability obtained at levels of intra-abdominal pressure and back muscle activity realistic to work situations *Essendrop, M., Andersen, T.B. and Schibye, B.* 471
- Kansei engineering as a powerful consumer-oriented technology for product development *Nagamachi, M.* 289
- Kinanthropometry and exercise physiology laboratory manual: tests, procedures and data (2nd Edition) *Roger Eston, and Thomas Reilly (Eds.) Smith, S. and Norton, L.* 381
- Method for the analysis of posture and interface pressure of car drivers *Andreoni, G., Santambrogio, G.C., Rabuffetti, M. and Pedotti, A.* 511
- Navigating the territory of job design *Holman, D., Clegg, C. and Waterson, P.* 197
- On complexity, process ownership and organisational learning in manufacturing organisations, from an ergonomics perspective *Siemieniuch, C.E. and Sinclair, M.A.* 449
- Optimal hand locations for safe scaffold-end-frame disassembly *Cutlip, R., Hsiao, H., Garcia, R., Becker, E. and Mayeux, B.* 349
- Oxygen consumption, heat production, and muscular efficiency during uphill and downhill walking *Johnson, A.T., Benjamin, M.B. and Silverman, N.* 485

- Participatory ergonomics applied in installation work *de Jong, A.M. and Vink, P.* 439
- Physical workload on neck and upper limb using two CAD applications *Byström, J.U., Hansson, G.-Å., Rylander, L., Ohlsson, K., Källrot, G. and Skerfving, S.* 63
- Relationship between comfort and back posture and mobility in sitting-posture *Vergara, M. and Page, A.* 1
- Reliability and validity of self-reported assessment of exposure and outcome variables for manual lifting tasks: a preliminary investigation *Yeung, S.S., Genaidy, A.M., Karwowski, W. and Leung, P.C.* 463
- Research-based guidelines for warning design and evaluation *Wogalter, M.S., Conzola, V.C. and Smith-Jackson, T.L.* 219
- Restoring the order: gender segregation as an obstacle to organisational development *Abrahamsson, L.* 549
- Short term and long term effects of enhanced auditory feedback on typing force, EMG, and comfort while typing *Gerard, M.J., Armstrong, T.J., Rempel, D.A. and Woolley, C.* 129
- Slip prevention: validation of duplicates reproducing industrial floor surface state microgeometry *Leclercq, S. and Englert, M.* 95
- Special issue on fundamental reviews in Applied Ergonomics 2 *Wilson, J.R.* 195
- Targeting ergonomics interventions—learning from health promotion *Haslam, R.A.* 241
- The anthropometric database for children and young adults in Taiwan *Wang, M.-J.J., Wang, E.M.-y. and Lin, Y.-C.* 583
- The effect of different surfaces on biomechanical loading of shoulder and lumbar spine during pushing and pulling of two-wheeled containers *Laursen, B. and Schibye, B.* 167
- The effects of communication modes on performance and discourse organization with an adaptive interface *Bubb-Lewis, C. and Scerbo, M.W.* 15
- The effects of probe length on Fitts' law *Baird, K.M., Hoffmann, E.R. and Drury, C.G.* 9
- The nature of work-related neck and upper limb musculoskeletal disorders *Buckle, P.W. and Devereux, J.J.* 207
- The prevalence of musculoskeletal symptoms among British Columbia sonographers *Russo, A., Murphy, C., Lessoway, V. and Berkowitz, J.* 385
- The role of the New Zealand forest industry injury surveillance system in a strategic Ergonomics, Safety and Health Research Programme *Bentley, T.A., Parker, R.J., Ashby, L., Moore, D.J. and Tappin, D.C.* 395
- The twisting force of aged consumers when opening a jar *Voorbij, A.I.M. and Steenbekers, L.P.A.* 105
- The use of the portable ergonomic observation method (PEO) to monitor the sitting posture of schoolchildren in the classroom *Murphy, S., Buckle, P., Stubbs, D.* 365
- Tractor-driving hours and their relation to self-reported low-back and hip symptoms *Torén, A., Öberg, K., Lembke, B., Enlund, K. and Rask-Andersen, A.* 139
- Using virtual reality technology for aircraft visual inspection training: presence and comparison studies *Vora, J., Nair, S., Gramopadhye, A.K., Duchowski, A.T., Melloy, B.J. and Kanki, B.* 559
- Visual product evaluation: exploring users' emotional relationships with products *McDonagh, D., Bruseberg, A. and Haslam, C.* 231
- Authors of articles**
- Abrahamsson, L. 549
- Andersen, T.B. 471
- Andreoni, G. 511
- Armstrong, T.J. 129
- Ashby, L. 395
- Asterland, P. 533
- Baber, C. 273
- Baird, K.M. 9
- Baldwin, J. 433
- Baumann, K. 273
- Becker, E. 349
- Benjamin, M.B. 485
- Bentley, T.A. 395
- Berkowitz, J. 385
- Bernmark, E. 541
- Bonney, R.A. 415
- Bruseberg, A. 27, 231
- Bubb-Lewis, C. 15
- Buckle, P. 365
- Buckle, P.W. 207
- Byström, J.U. 63
- Clegg, C. 197
- Conzola, V.C. 219
- Corlett, E.N. 415
- Cowley, S. 523
- Culvenor, J. 523
- Cutlip, R. 349
- Das, B. 309, 309
- de Jong, A.M. 439
- Deshe, O. 371
- Devereux, J.J. 207
- Drury, C.G. 9
- Duchowski, A.T. 559
- Englert, M. 95
- Engström, T. 533
- Enlund, K. 139
- Essendrop, M. 471
- Ettare, D. 337
- Faucett, J. 337
- Ferreira, M. Jr. 147
- Forsberg, A. 39
- Forsman, M. 533
- Frings-Dresen, M.H.W. 117, 571
- Garcia, R. 349
- Garmer, K. 39
- Garry, M. 337
- Genaidy, A.M. 463
- George, M.C. 175
- Gerard, M.J. 129
- Gramopadhye, A.K. 559
- Han, S.H. 419
- Hansson, G.-Å. 63, 533
- Harvey, J.T. 523
- Haslam, C. 231
- Haslam, R.A. 241
- Heil, D.P. 357, 405
- Hoffmann, E.R. 9
- Holman, D. 197
- Hoozemans, M.J.M. 117
- Hsiao, H. 349
- Hsieh, C.-S. 493
- Jansen, J.P. 117
- Jin, C. 101
- Johnson, A.T. 485
- Källrot, G. 63
- Kanki, B. 559
- Karwowski, W. 463
- Kee, D. 51
- King, P.M. 477
- Kirwan, B. 319
- Kuijjer, P.P.F.M. 571
- Kumar, A. 503
- Kwahk, J. 419
- Laursen, B. 167
- Lawrance, M. 523
- Leclercq, S. 95
- Lembke, B. 139
- Lessoway, V. 385
- Leung, P.C. 463
- Lin, Y.-C. 583
- Mathis, S.R. 357
- Mayeux, B. 349
- McDonagh, D. 231
- McDonagh-Philp, D. 27
- Medbo, L. 533
- Melloy, B.J. 559
- Mirka, G.A. 175
- Mohan, D. 503
- Moore, D.J. 395
- Murphy, C. 385
- Murphy, S. 365
- Nadler, D. 337
- Nagamachi, M. 289
- Nair, S. 559
- Nath, S. 579
- Nelson, A. 433
- Nichols, S. 251
- Norton, L. 381
- Öberg, K. 139
- Ohlsson, K. 63
- Page, A. 1
- Parker, R.J. 395
- Patel, H. 251
- Patel, R. 503
- Payne, W. 523
- Pedotti, A. 511
- Rabuffetti, M. 511
- Radwin, R.G. 85
- Raine, S. 75

Rask-Andersen, A. 139
 Rempel, D.A. 129
 Ridgway, K. 433
 Russo, A. 385
 Rüttinger, B. 297
 Rylander, L. 63
 Saldiva, P.H.N. 147
 Santambrogio, G.C. 511
 Sauer, J. 297
 Scerbo, M.W. 15
 Schibye, B. 167, 471
 Shorrock, S.T. 319
 Siemieniuch, C.E. 449
 Silverman, N. 485
 Sinclair, M.A. 449
 Skerfving, S. 63
 Smith, C.A. 175
 Smith, S. 379, 381
 Smith-Jackson, T.L. 219
 Solman, K.N. 155
 Sommerich, C.M. 175
 Sperling, L. 39
 Steenbekkers, L.P.A. 105
 Straker, L. 75
 Stuart, D. 523
 Stubbs, D. 365
 Szeto, G.P.Y. 75
 Tappin, D.C. 395
 Tian, Q. 101
 Tian, X. 101
 Tian, Y. 101
 Torén, A. 139
 van der Beek, A.J. 117, 571
 van Dieën, J.H. 571
 Van Laar, D. 371
 Varghese, M. 503
 Vergara, M. 1
 Verma, A. 579
 Victor, V.M. 579
 Vink, P. 439
 Visser, B. 571
 Voorbij, A.I.M. 105
 Vora, J. 559
 Wang, E.M.-y. 583
 Wang, M.-J.J. 583
 Waterson, P. 197
 Wiese, B.S. 297
 Wiktorin, C. 541
 Williams, R. 523
 Wilson, J.R. 195
 Wimpee, J. 309
 Winder, B. 433
 Wogalter, M.S. 219
 Woolley, C. 129
 Wu, S.-P. 493
 Yen, T.Y. 85
 Yeung, S.S. 463

Keywords

Accelerometer 541
 Activity monitor 405
 Adaptive automation 15
 Adoption 439
 Agricultural injuries 503
 Air traffic control 319
 Analysis time 85
 Applied ergonomics 231
 Arm movements 541
 Audiovisual consumer electronic products 419
 Auto driver 101
 Biomechanical exposure 207
 Biomechanics 523
 CAD 63
 Car seat 511
 Cartography 371
 Carts 117
 Castor 117
 China 101
 Circadian rhythm 357
 Colour coding 371
 Colour displays 371
 Comfort 1
 Communication 219
 Computer keyboard design 129
 Computer-assisted system 289
 Consumer complaints 433
 Consumer product 297
 Consumer-oriented technology 289
 Control rooms 371
 Cumulative trauma disorders 129
 Dental hygienists 175
 Design 219
 Design research 27
 Discomfort 51, 75
 Discourse structure 15
 Driver 155
 Electromyography 337
 Embedded systems 273
 EMG 129
 Emotions 231
 Energetic workload 571
 Energetics 485
 Engineering anthropometry 309
 Environmental concern 297
 Equipment design 309
 Ergonomic design 117, 309
 Ergonomic principles 309
 Ergonomics evaluation 309
 Ergonomics 147, 385, 511, 523
 Ergonomics training 39
 External forces 117
 Eye tracking 559
 Fatigue 477
 Feedback 129
 Firefighting 405
 Fist-ellipse 101
 Fitts' law 9
 Floor mats 477
 Floor surface 95
 Focus groups 27
 Forest ergonomics 395
 Forest injury data 395
 Forward head posture 75
 Future 197
 Gender 549
 Gerontechnology 105
 Habits 297
 Hand ergonomics 39
 Hand tool 493
 Handle height 117
 Health promotion 241
 Health psychology 241
 Hip symptoms 139
 Holistic ergonomics view 155
 Hospital meal cart 309
 Human error identification 319
 Human error 319
 Human/machine interface 493
 Human-computer communication 15
 Human-machine interaction (HMI) 155
 Human-machine system 155
 In-soles 477
 Incident analysis 319
 Inclinator 541
 Industrial design 231
 Industrial interventions 533
 Injury surveillance system 395
 Installation work 439
 Intervention 175, 241
 Intra-abdominal pressure 471
 Isocomfort workspace 51
 Isometric strength 349
 Jar opening 105
 Job design 197
 Kansei 289
 Label 219
 Lift truck 155
 Lifting activities 463
 Low back 167
 Low-back symptoms 139
 Lumbar posture and mobility 1
 Methodology 155
 Microgeometry 95
 Movement time 9
 Musculoskeletal discomfort 175
 Musculoskeletal disorders 147, 337
 Musculoskeletal symptoms 385
 Negative work 485
 Observation 365
 Organisational change 549
 Overexertion 349
 Packaging accidents 433
 Packaging 433
 Participatory ergonomics 439
 Pathogenic model 207
 Perception 371
 Performance 297
 Pervasive computing 273
 Physical workload 63, 439
 Postural stability 349
 Posture classification 85
 Posture 365, 511
 Presence 559
 Pressure map 511
 Probe length 9
 Product design 289
 Product evaluation 231
 Product personality profiling 231
 Productivity 439
 Psychophysics 523
 Psychosocial exposure 207
 Psychosocial factors 147
 Pull 167
 Pulling 523
 Push 167
 Pushbar 117
 Pushing 117
 Pushing/pulling 571
 Push-pull forces 309

- Regulation 207
Reliability 463
Restoration 549
Review 197
Risk 219
Robot kinematics 51
Safety and health 395
Safety 219, 503
Scaffold 349
Self-reported assessment 463
Sheep shearing 523
Sign 219
Sitting 1, 365
Slipping accident 95
Spatula (turning shovel) 493
Spectral analysis 85
Spine 471
Stage of change 241
Standing 477
Sub-workspace 101
Sudden loading 471
Technological innovations 439
The 95th percentile (P95 or 95th) 101
Threshers 503
Total energy expenditure 405
Tractor-driving hours 139
Training kit 39
Training 559
Twisting force 105
Ubiquitous computing 273
Ultrasound 385
Upper extremity 63
Usability evaluation framework 419
Usability 419
User-centred designing 27
Validity 463
Vehicle 155
Virtual reality 559
Visual inspection 559
Visual layers 371
Walking 485
Warehouse 155
Warning 219
Wearable computers 273
Work activity analysis 533
Work efficiency 571
Work organisation 533
Work related upper limb disorders 207
Work-related neck and upper limb disorders 75
Worker survey 309
Worker training 337
Workplace 51
Zeitgeber 357
PatentsALERT 105, 185
Editorial, 195
Book reviews 379, 381

